

Serial No. 09/744,595
Amendment
Response to 6-6-05 OA

Docket No. 740819-416

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-11. (Cancelled)

12. (Currently Amended) A reproducing apparatus for reproducing a disk-shaped writable recording medium comprising:
a primary recording region for recording a data signal based on a user instruction and
a secondary recording region which is located on the side of an internal periphery of said primary recording region,
wherein said primary recording region has a track which wobbles at a first pitch, and
along which the data signal is recorded;
wherein said secondary recording region has a track which wobbles at a second pitch
different from said first pitch, and along which information pits are formed to record a signal
representative of primary control information; and
wherein said primary control information in said secondary recording region includes
an invalid key information item for inhibiting reproduction of main data encrypted in said
primary recording region by using secondary control information illegally recorded in said
primary recording region, said secondary control information comprising information for
decrypting said main data encrypted in said primary recording region
a pickup for reading said data signal and primary control information from said
writable recording medium under rotation by the rotating portion;
a shifting portion for shifting a location of said pickup;
a detecting portion for detecting whether a track read by said pickup is the first track
or the second track; and
a system controller connected to said pickup, said shifting portion and said detecting
portion,
wherein, at a time when said reproducing apparatus is initially actuated to reproduce
said data signal from the writable recording medium, said system controller controls the
location of said pickup by using shifting portion until said detecting portion detects that a
track which said pickup reads is the second track, said pickup reads the primary control

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information including an invalid key information item in said secondary recording region, and main data is reproduced according to said read primary control information, and wherein said invalid key information item is a data signal for inhibiting decryption of an encrypted data signal recorded in said main data of the primary recording region with using a corresponding key information item for decrypting said encrypted data signal recorded in said main data of the primary recording region.

13. (Currently Amended) The reproducing apparatus recording medium of claim 12, wherein said primary control information is prerecorded at the time of manufacture of said recording medium.

14. (Currently Amended) The reproducing apparatus recording medium of claim 12, wherein said primary control information includes an identification information item representative of the type of said recording medium.

15. Cancelled

16. (Currently Amended) The reproducing apparatus of claim [15] 12, wherein said rotating portion rotates said recording medium at a constant velocity, and further comprising means for spinning said recording medium at a constant linear velocity, wherein in a case where according to said means for distinguishing the reproduction location of said recording medium, the reproduction location is said track which wobbles at said second pitch or does not wobble, the reproduction of the main data encrypted in said primary recording region is terminated by [a] the key information item included in said control information obtained from a means obtaining said control information.

17. (Currently Amended) The reproducing apparatus of claim [15] 12, wherein said rotating portion rotates said recording medium at a constant velocity, and further comprises further comprising means for spinning said recording medium at a constant linear velocity,
means by which a signal read position by said pickup follows said tracks of said recording medium,

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means for generating a tracking error signal from an output of said pickup; and
means for starting reproduction of said main data recorded in said primary recording region.

18. (Currently Amended) The reproducing apparatus of claim [15] 12, wherein said primary control information in said secondary recording region includes an identification information item representative of the type of said recording medium; and
wherein said reproducing apparatus further comprises means for canceling, when said identification information item indicated that recording of a data signal into said primary recording region by a user is possible and, in addition, main data recorded in said primary recording region is encrypted, reproduction of said main data.

19. (Currently Amended) The reproducing apparatus of claim [15] 12, further comprising means for continuing, when main data recorded in said primary recording region is not encrypted, reproduction of said main data.

20. (Currently Amended) The reproducing apparatus recording medium of claim 12, wherein said primary control information includes decryption information.

21. (Currently Amended) The reproducing apparatus ~~disk-shaped recording medium~~ of claim 14, wherein the recording medium is an R-type digital video disk.

22. (Currently Amended) The reproducing apparatus ~~disk-shaped recording medium~~ of claim 21, wherein false control information is copied into said primary recording region of said R-type digital video disk and genuine control information in said secondary recording region of said R-type digital video disk provides a copy protection scheme.

23. (Currently Amended) The reproducing apparatus ~~disk-shaped recording medium~~ of claim 22, wherein said genuine control information in said secondary recording region of said R-type digital video disk comprises an invalid key information item for inhibition of reproduction of encrypted main data when said encrypted main data is copied and recorded in said primary recording region.

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24. (Currently Amended) The reproducing apparatus ~~disk-shaped recording medium system~~ of claim 23, wherein encrypted data is identified by a flag located at the head of each divided section of said main data.

25. (Original) The reproducing apparatus of claim 18, wherein the identification information item representative of the type of said recording medium is representative of an R-type digital video disk.

26. (Original) The reproducing apparatus of claim 25, further comprising means for detecting false control information copied into said primary recording region of said R-type digital video disk and genuine control information in said secondary recording region of said R-type digital video disk to provide a copy protection scheme.

27. (Original) The reproducing apparatus of claim 26, wherein means for detecting genuine control information in said secondary recording region of said R-type digital video disk further comprises means for detecting an invalid key information item for inhibition of reproduction of encrypted main data when said encrypted main data is copied and recorded in said primary recording region.

28. (Currently Amended) The reproducing apparatus of claim 27, further comprising means for detecting encrypted data by recognizing a signal indicative of flag located at the head of each divided section of main data.

Please add the following new claim:

29. (New) A reproducing apparatus for reproducing a disc-shaped writable recording medium, comprising:

a primary recording region for recording a data signal based on a user instruction and a secondary recording region which is located on the side of an internal periphery of said primary recording region,

wherein said primary recording region has a track which wobbles at a first pitch, and

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along which the data signal is recorded;

wherein said secondary recording region has a track which wobbles at a second pitch different from said first pitch, and along which information pits are formed to record a signal representative of primary control information; and

wherein said primary control information in said secondary recording region includes an invalid key information item for inhibiting reproduction of main data encrypted in said primary recording region by using secondary control information recorded in said primary recording region, said secondary control information comprising information for decrypting said main data encrypted in said primary recording region and

a reproducing apparatus for the reproduction of said data signal on said primary recording region, including a pickup for reading a digital signal from said recording medium under rotation;

means for shifting said pickup; and

means for distinguishing if a reproduction location of said recording medium is the track which wobbles at said first pitch or the track which wobbles at said second pitch different from said first pitch, and

a system controller connected to said pickup, said shifting means and said distinguishing means wherein, at a time when said reproducing apparatus is initially actuated to reproduce said data signal from a track, said controller determines whether said track wobbles at said first pitch, and if so, shifts said pickup until said track wobbles at said second pitch, whereupon said primary control information in said secondary recording region is first reproduced, and the reproduction of main data encrypted in said primary recording region by using secondary control information recorded in said primary recording region is inhibited by the invalid key information item included in said primary control information in said secondary recording region.